

NO: MB2012CC-23
DATE: 5/16/12
TO: U.S. Refrigeration Original Equipment Manufacturers & End Users
FROM: Emerson Climate Technologies, Inc. – Refrigeration
SUBJECT: Launch of Global Copeland Discus™ Compressors on 4D and 6D Platforms
EFFECTIVE: June - August 2012
ACTION REQUIRED: Transition Existing 4D and 6D OEM Compressors to New Platform

Emerson Climate Technologies, Inc. is pleased to announce the release of the next generation Copeland Discus™ compressors on 4D and 6D platforms starting in June 2012. Emerson leveraged its global resources and experience to enhance reliability and performance.

The Copeland Discus platform will continue to offer industry leading energy efficiency, digital modulation and CoreSense™ technology. The next generation Discus lineup has been designed to be a drop-in replacement. Connection points, capacities, and electrical ratings will remain the same as existing models. The global design is approved for the same refrigerants, including R-404A, R-134a, R-407A/C and R-22. Emerson is requesting all OEM customers to transition existing 4D and 6D models to the new platform this summer.



New Generation Copeland Discus 4D/6D Compressor

Due to compressor design changes, UL is requiring that Emerson modify its nomenclature. The nomenclature examples below show the 4th character changing for the new Discus models.

	Current Discus	New Discus
Standard	4DH3R22ME-TSK-C00	4DH <u>N</u> R22ME-TSK-C00
Digital	4DHDR22ME-TSK-C00	4DH <u>X</u> R22ME-TSK-C00

A model cross reference and UL assistance letter are attached below to assist with the transition. Please note that certain accessory parts will change due to shorter cylinder head height and larger ½” head bolts. For example; head fan, Demand Cooling valve, and CoreSense protection brackets will be assigned new part numbers.

The new lineup will include a larger 6D displacement for increased application flexibility. The 6DU will offer 25% more capacity on average in the same compressor size. In an effort to reduce complexity throughout the supply chain, certain product variations will become obsolete. Oil cooler versions will not be offered, since updated Copeland application guidelines no longer require oil coolers for low temperature operation. See [MB2010CC-23](#) and [AE4-1135](#) for more information on Discus oil cooler and head fan requirements. In addition, the 4DA displacement and its corresponding unloader variations (4DE and 4DN) will become obsolete for new equipment. The 3DS model offers similar capacity and will be the primary replacement for OEM customers. The appropriate OEM replacement models are identified in the attached cross reference.

All service replacement compressors (-800 BOM) will not change and will continue to be offered through the Emerson Climate Technologies distribution center and Copeland authorized wholesalers.

Additional product performance, electrical and mechanical information can be accessed online by logging into Online Product Information available on the Emerson Climate Technologies website, www.EmersonClimate.com. Please update your Product Selection Software to obtain the latest information on Copeland brand products, including the new 4D/6D models. Please contact your field sales manager, application engineer, or customer service representative for additional information.

4D/6D Standard Model Lineup (R404A)

Medium Temperature (20°F Evap. 120°F Cond. 65 R.G.)		
Compressor Model ¹	HP Rating	Capacity (Btu/hr)
4DBNR20ME	13.5	145,000
4DHNR22ME	15.0	156,000
4DHNS16ME	15.0	159,000
4DJNR28ME	18.0	186,000
6DHNR35ME	23.0	236,000
6DGNR37ME	24.0	257,000
6DJNR40ME	26.0	278,000
6DUNR49ME ²	37.0	335,000

Low Temperature (-25°F Evap. 105°F Cond. 65 R.G.)		
Compressor Model ¹	HP Rating	Capacity (Btu/hr)
4DBNF54KE ²	8.0	52,500
4DHNF63KE	10.0	62,500
4DJNF76KE	12.5	75,500
6DHNF93KE	15.0	92,500
6DJNF11ME	17.0	105,000
6DUNF13ME ²	20.0	131,000

¹ Model numbers listed are POE oil models. Less oil models will also be offered.

² Models will be released in July 2012.

Copeland Discus 4D/6D Cross Reference

Medium Temp Models					
Modulation	Discus (2012+)	Discus (2006-2012)	Discus (Prior To 2006)	Nominal HP (MT Ref)	Nominal HP (HT A/C-Ref)
Fixed	4DBNR20M*-xxx-yyy	4DB3R20M*-xxx-yyy	4DB3A220*-xxx-yyy	13.5	17.0
	4DHNR16M*-xxx-yyy	4DH3R16M*-xxx-yyy	4DH3A150*-xxx-yyy	12.0	15.0
	4DHNR22M*-xxx-yyy	4DH3R22M*-xxx-yyy	4DH3A250*-xxx-yyy	15.0	20.0
	4DHNS16M*-xxx-yyy	4DH3S16M*-xxx-yyy		15.0	
	4DJNR19M*-xxx-yyy	4DJ3R19M*-xxx-yyy	4DJ3A200*-xxx-yyy	12.0	16.0
	4DJNR28M*-xxx-yyy	4DJ3R28M*-xxx-yyy	4DJ3A300*-xxx-yyy	18.0	25.0
	6DBNR32M*-xxx-yyy	6DB3R32M*-xxx-yyy	6DB3A300*-xxx-yyy	21.0	25.0
	6DHNR23M*-xxx-yyy	6DH3R23M*-xxx-yyy	6DH3A200*-xxx-yyy	12.0	20.0
	6DHNR35M*-xxx-yyy	6DH3R35M*-xxx-yyy	6DH3A350*-xxx-yyy	23.0	30.0
	6DGNR37M*-xxx-yyy	6DG3R37M*-xxx-yyy	6DG3A350*-xxx-yyy	24.0	30.0
	6DJNR40M*-xxx-yyy	6DJ3R40M*-xxx-yyy	6DJ3A400*-xxx-yyy	26.0	35.0
	6DUNR49M*-xxx-yyy			37.0	48.0
1 Bank Unloader	4DCNR20M*-xxx-yyy	4DC3R20M*-xxx-yyy	4DC3A220*-xxx-yyy	13.5	17.0
	4DKNR22M*-xxx-yyy	4DK3R22M*-xxx-yyy	4DK3A250*-xxx-yyy	15.0	20.0
	4DKNS16M*-xxx-yyy	4DK3S16M*-xxx-yyy		15.0	
	4DRNR28M*-xxx-yyy	4DR3R28M*-xxx-yyy	4DR3A300*-xxx-yyy	18.0	25.0
	6DWNR32M*-xxx-yyy	6DW3R32M*-xxx-yyy	6DW3A300*-xxx-yyy	21.0	25.0
	6DKNR35M*-xxx-yyy	6DK3R35M*-xxx-yyy	6DK3A350*-xxx-yyy	23.0	30.0
	6DMNR37M*-xxx-yyy	6DM3R37M*-xxx-yyy	6DM3A350*-xxx-yyy	24.0	30.0
	6DRNR40M*-xxx-yyy	6DR3R40M*-xxx-yyy	6DR3A400*-xxx-yyy	26.0	35.0
6DVNR49M*-xxx-yyy			37.0	48.0	
2 Bank Unloader	6DYNR32M*-xxx-yyy	6DY3R32M*-xxx-yyy	6DY3A300*-xxx-yyy	21.0	25.0
	6DPNR35M*-xxx-yyy	6DP3R35M*-xxx-yyy	6DP3A350*-xxx-yyy	23.0	30.0
	6DNNR37M*-xxx-yyy	6DN3R37M*-xxx-yyy	6DN3A350*-xxx-yyy	24.0	30.0
	6DSNR40M*-xxx-yyy	6DS3R40M*-xxx-yyy	6DS3A400*-xxx-yyy	26.0	35.0
Digital	4DBXR20M*-xxx-yyy	4DBDR20M*-xxx-yyy		13.5	17.0
	4DHXR22M*-xxx-yyy	4DHDR22M*-xxx-yyy		15.0	20.0
	4DHXS16M*-xxx-yyy	4DHDS16M*-xxx-yyy		15.0	
	4DJXR28M*-xxx-yyy	4DJDR28M*-xxx-yyy		18.0	25.0
	6DMXR37M*-xxx-yyy	6DMDR37M*-xxx-yyy		24.0	30.0
Discus Replacement					
Fixed	3DS3F46K*-xxx-yyy	4DA3R12M*-xxx-yyy	4DA3A100*-xxx-yyy	7.5	10.0
	3DS3R17M*-xxx-yyy	4DA3R18M*-xxx-yyy	4DA3A200*-xxx-yyy	10	15.0
	3DS3S12M*-xxx-yyy	4DA3S13M*-xxx-yyy		10	
1 Bank Unloader	Contact AE	4DE3R12M*-xxx-yyy	4DE3A100*-xxx-yyy	7.5	10.0
	Contact AE	4DE3R18M*-xxx-yyy	4DE3A200*-xxx-yyy	10	15.0
Digital	3DS3F46K*-xxx-yyy	4DADR12M*-xxx-yyy		7.5	10.0
	3DSDR17M*-xxx-yyy	4DADR18M*-xxx-yyy		10	15.0
	3DSDS12M*-xxx-yyy	4DADS13M*-xxx-yyy		10	

Notes: * = Oil Variation (L = Less Oil, E = POE Oil) xxx = Voltage Code yyy = BOM Code

Low Temp Models						
Modulation	Discus (2012+)	Discus (2006-2012)	Discus Oil Cooler Version (2006-2012)	Discus (Prior To 2006)	Discus Oil Cooler Version (Prior To 2006)	Nominal HP (LT Ref.)
Fixed	4DBNF54K*-xxx-yyy					8.0
	4DHNF63K*-xxx-yyy	4DH3F63K*-xxx-yyy	4DL3F63K*-xxx-yyy		4DL3A150*-xxx-yyy	10.0
	4DJNF76K*-xxx-yyy	4DJ3F76K*-xxx-yyy	4DT3F76K*-xxx-yyy		4DT3A220*-xxx-yyy	12.5
	6DHNF93K*-xxx-yyy	6DH3F93K*-xxx-yyy	6DL3F93K*-xxx-yyy		6DL3A270*-xxx-yyy	15.0
	6DJNF11M*-xxx-yyy	6DJ3F11M*-xxx-yyy	6DT3F11M*-xxx-yyy		6DT3A300*-xxx-yyy	17.0
	6DUNF13M*-xxx-yyy					20.0
1 Bank Unloader	4DCNF54K*-xxx-yyy					8.0
	4DKNF63K*-xxx-yyy	4DK3F63K*-xxx-yyy	4DP3F63K*-xxx-yyy		4DP3A150*-xxx-yyy	10.0
	4DRNF76K*-xxx-yyy	4DR3F76K*-xxx-yyy	4DS3F76K*-xxx-yyy		4DS3A220*-xxx-yyy	12.5
	6DKNF93K*-xxx-yyy	6DK3F93K*-xxx-yyy	6DC3F93K*-xxx-yyy		6DC3A270*-xxx-yyy	15.0
	6DRNF11M*-xxx-yyy	6DR3F11M*-xxx-yyy	6DE3F11M*-xxx-yyy		6DE3A300*-xxx-yyy	17.0
	6DVNF13M*-xxx-yyy					20.0
2 Bank Unloader	6DPNF93K*-xxx-yyy	6DP3F93K*-xxx-yyy	6DD3F93K*-xxx-yyy		6DD3A270*-xxx-yyy	15.0
	6DSNF11M*-xxx-yyy	6DS3F11M*-xxx-yyy	6DF3F11M*-xxx-yyy		6DF3A300*-xxx-yyy	17.0
	4DBXF54K*-xxx-yyy					8.0
Digital	4DHXF63K*-xxx-yyy	4DHDF63K*-xxx-yyy				10.0
	4DJXF76K*-xxx-yyy	4DJDF76K*-xxx-yyy				12.5
	6DKXF93K*-xxx-yyy	6DKDF93K*-xxx-yyy				15.0
Discus Replacement						
Fixed	3DS3F46K*-xxx-yyy	4DA3F47K*-xxx-yyy			4DP3A101*-xxx-yyy	10.0
1 Bank Unloader	Contact AE	4DE3F47K*-xxx-yyy	4DN3F47K*-xxx-yyy	4DE3A101*-xxx-yyy	4DN3A101*-xxx-yyy	10.0
Digital	3DSDF46K*-xxx-yyy	4DADF47K*-xxx-yyy				10.0

Notes:

* = Oil Variation (L = Less Oil, E = POE Oil)

xxx = Voltage Code

yyy = BOM Code (Cxx = CoreSense Protection, Axx = CoreSense Diagnostics)

Please note that this is a general cross reference. For specific models not listed, please contact your sales representative or application engineer.



January 26th, 2012

Emerson Climate Technologies
Mr. Richard Turner
1675 West Campbell Road
Sidney, OH 45365-0669

Our Reference: File SA2337

Subject: New Discus (DIII) Assistance letter (4D-6D Models)

Dear Mr. Turner:

Date

Below is a comparison between various Emerson Climate Technologies/Copeland New Discus III Semi-hermetic compressor models and existing Discus II models. The compared models have similar displacements and will use the same motor/protector combinations. All models use the same/existing Bypass Valves and all compared models have the same LRA and MCC electrical ratings. All compared models have the same footprint and valve locations.

Model		Voltage	Frequency	LRA	MCC			Refrigerant
Current DII	New DIII			60 Hz.	R1	R2	R4	
4DB3R20ME-TSK	4DBNR20ME-TSK	208-230/460	60	374/187	91.8/45.9	91.8/45.9		R-22
4DB3R20ME-TSK	4DBNR20ME-TSK*	208-230/460	60	374/187	130/65	101/50.5		404A
4DB3R20ME-TSK	4DBNR20ME-TSK	208-230/460	60	374/187	120/60	91.8/45.9		407C/A
4DH3S16ME-TSK	4DHNS16ME-TSK*	208-230/460	60	308/154		92/45		404A
4DH3S16ME-TSK	4DHNS16ME-TSK*	208-230/460	60	308/154		92/46		407C/A
4DH3R16ME-TSK	4DHNR16ME-TSK*	208-230/460	60	278/139	81/40.5	81/40.5		134A
4DH3R22ME-TSK	4DHNR22ME-TSK*	208-230/460	60	428/214	115/57.5	115/57.5		R-22
4DH3R22ME-TSK	4DHNR22ME-TSK*	208-230/460	60	428/214	148/74	104.2/52.1		404A
4DH3R22ME-TSK	4DHNR22ME-TSK*	208-230/460	60	428/214	150/75	115/57.5		407C/A
4DJ3R19ME-TSK	4DJNR19ME-TSK*	208-230/460	60	346/173	92.4/46.2	92.4/46.2		134A
4DJ3R28ME-TSK	4DJNR28ME-TSK*	208-230/460	60	470/235	131.6/65.8	131.6/65.8		R-22
4DJ3R28ME-TSK	4DJNR28ME-TSK*	208-230/460	60	470/235	154/77			404A
4DJ3R28ME-TSK	4DJNR28ME-TSK*	208-230/460	60	470/235	160/80	131.6/65.8		407C/A
4DL3F63KE-TSK	4DHNF63KE-TSK*	208-230/460	60	278/139			65/32.5	R-22
4DL3F63KE-TSK	4DHNF63KE-TSK*	208-230/460	60	278/139			73.6/36.8	404A
4DL3F63KE-TSK	4DHNF63KE-TSK*	208-230/460	60	278/139			71.5/35.8	407C/A
4DT3F76KE-TSK	4DJNF76KE-TSK*	208-230/460	60	374/187			72/36	R-22
4DT3F76KE-TSK	4DJNF76KE-TSK*	208-230/460	60	374/187			90/45	404A
4DT3F76KE-TSK	4DJNF76KE-TSK*	208-230/460	60	374/187			79.2/39.6	407C/A
6DB3R32ME-TSK	6DBNR32ME-TSK	208-230/460	60	565/283	147/73.5	147/73.5		R-22
6DB3R32ME-TSK	6DBNR32ME-TSK*	208-230/460	60	565/283	188/94			404A
6DB3R32ME-TSK	6DBNR32ME-TSK	208-230/460	60	565/283	172/80.6	141.6/70.8		407C/A
6DH3R23ME-TSK	6DHNR23ME-TSK*	208-230/460	60	346/173	105/52.5	105/52.5		134A
6DH3R35ME-TSK	6DHNR35ME-TSK*	208-230/460	60	565/283	175.2/87.6	175.2/87.6		R-22
6DH3R35ME-TSK	6DHNR35ME-TSK*	208-230/460	60	565/283	206/103	175.2/87.6		404A
6DH3R35ME-TSK	6DHNR35ME-TSK*	208-230/460	60	565/283	198/99	160/80		407C/A
6DG3R37ME-TSN	6DGNR37ME-TSN*	230/460	60	594/297	175/87.5	175/87.5		R-22
6DG3R37ME-TSN	6DGNR37ME-TSN*	230/460	60	594/297	236/118			404A
6DG3R37ME-TSN	6DGNR37ME-TSN*	230/460	60	594/297	221/110.5	178.9/89.5		407C/A

Model		Voltage	Frequency	LRA	MCC			Refrigerant
Current DIII	New DIII			60 Hz.	R1	R2	R4	
6DJ3R28ME-TSK	6DJNR28ME-TSK*	208-230/460	60	470/235**	140/70	140/70		134A
6DJ3R40ME-TSN	6DJNR40ME-TSN*	230/460	60	594/297	198/99	198/99		R-22
6DJ3R40ME-TSN	6DJNR40ME-TSN*	230/460	60	594/297	222/111	173.4/86.7		407C/A
6DL3F93KE-TSK	6DHNF93KE-TSK*	208-230/460	60	450/225**			95/47.5	R-22
6DL3F93KE-TSK	6DHNF93KE-TSK*	208-230/460	60	450/225**			113/56.5	404A
6DL3F93KE-TSK	6DHNF93KE-TSK*	208-230/460	60	450/225**			112/56	407C/A
6DT3F11ME-TSK	6DJNF11ME-TSK*	208-230/460	60	470/235**			106/53	R-22
6DT3F11ME-TSK	6DJNF11ME-TSK*	208-230/460	60	470/235**			133.8/66.9	404A
6DT3F11ME-TSK	6DJNF11ME-TSK*	208-230/460	60	470/235**			134/67	407C/A
4DB3R20ME-TSE	4DBNR20ME-TSE*	575/500	60	135	37.1	37.1		R-22
4DB3R20ME-TSE	4DBNR20ME-TSE*	575/500	60	135		44		404A
4DB3R20ME-TSE	4DBNR20ME-TSE*	575/500	60	135	47	37.1		407C/A
4DK3R16ME-TSE	4DKNR16ME-TSE	575/500	60	113	34	34		134A
4DH3R22ME-TSE	4DHNR22ME-TSE	575/500	60	172	48.1	48.1		R-22
4DH3R22ME-TSE	4DHNR22ME-TSE	575/500	60	172		46.6		404A
4DH3R22ME-TSE	4DHNR22ME-TSE	575/500	60	172	54.3	48.1		407C/A
4DJ3R28ME-TSE	4DJNR28ME-TSE	575/500	60	200	55	55		R-22
4DJ3R28ME-TSE	4DJNR28ME-TSE	575/500	60	200	69	55		407C/A
4DL3F63KE-TSE	4DHNF63KE-TSE	575/500	60	113			25	R-22
4DH3F63KE-TSE	4DHNF63KE-TSE	575/500	60	113			29.5	404A
4DH3F63KE-TSE	4DHNF63KE-TSE	575/500	60	113			27.5	407C/A
6DB3R32ME-TSE	6DBNR32ME-TSE	575/500	60	230	56	56		R-22
6DB3R32ME-TSE	6DBNR32ME-TSE	575/500	60	230	70	56.8		407C/A
6DH3R35ME-TSE	6DHNR35ME-TSE	575/500	60	230	59.5	59.5		R-22
6DH3R35ME-TSE	6DHNR35ME-TSE	575/500	60	230		57		404A
6DH3R35ME-TSE	6DHNR35ME-TSE	575/500	60	230	75	60.3		407A/C
6DG3R37ME-TSE	6DGNR37ME-TSE	575/500	60	245	64.4	64.4		R-22
6DG3R37ME-TSE	6DGNR37ME-TSE	575/500	60	245		64.4		404A
6DG3R37ME-TSE	6DGNR37ME-TSE	575/500	60	245	80.5	67.3		407C/A
6DJ3R28ME-TSE	6DJNR28ME-TSE*	575/500	60	200	56	56		134A
6DJ3R40ME-TSE	6DJNR40ME-TSE*	575/500	60	245	74.9	74.9		R-22
6DJ3R40ME-TSE	6DJNR40ME-TSE*	575/500	60	245		72		404A
6DJ3R40ME-TSE	6DJNR40ME-TSE*	575/500	60	245	91	73		407C/A
6DL3F93KE-TSE	6DHNF93KE-TSE	575/500	60	172			36.4	R-22
6DL3F93KE-TSE	6DHNF93KE-TSE	575/500	60	172			45.5	404A
6DL3F93KE-TSE	6DHNF93KE-TSE	575/500	60	172			47.3	407C/A
6DT3F11ME-TSE	6DJNF11ME-TSE*	575/500	60	200			44	R-22
6DT3F11ME-TSE	6DJNF11ME-TSE*	575/500	60	200			55.4	404A
6DT3F11ME-TSE	6DJNF11ME-TSE*	575/500	60	200			55	407C/A
4DB3R20ME-FSD	4DBNR20ME-FSD	460/380-420	60	180	45.5	45.5		R-22
4DB3R20ME-FSD	4DBNR20ME-FSD	460/380-420	60	180	57	45.5		407C/A
4DH3R22ME-FSD	4DHNR22ME-FSD	460/380-420	60	206	56.8	56.8		R-22
4DH3R22ME-FSD	4DHNR22ME-FSD	460/380-420	60	206		56.8		404A
4DH3R22ME-FSD	4DHNR22ME-FSD	460/380-420	60	206	72	56.8		407C/A
4DJ3R28ME-FSD	4DJNR28ME-FSD*	460/380-420	60	235	63	63		R-22
4DJ3R28ME-FSD	4DJNR28ME-FSD*	460/380-420	60	235	72.6	63		407C/A
4DL3F63KE-FSD	4DHNF63KE-FSD	460/380-420	60	136			28.3	R-22
4DL3F63KE-FSD	4DHNF63KE-FSD	460/380-420	60	136			34.3	404A
4DL3F63KE-FSD	4DHNF63KE-FSD	460/380-420	60	136			31.1	407C/A
4DT3F76KE-FSD	4DJNF76KE-FSD*	460/380-420	60	180			39.1	R-22
4DT3F76KE-FSD	4DJNF76KE-FSD*	460/380-420	60	180			47.4	404A
4DT3F76KE-FSD	4DJNF76KE-FSD*	460/380-420	60	180			43	407C/A
6DB3R32ME-FSD	6DBNR32ME-FSD*	460/380-420	60	260	70	70		R-22
6DB3R32ME-FSD	6DBNR32ME-FSD*	460/380-420	60	260	87	71		407C/A
6DH3R35ME-FSD	6DHNR35ME-FSD	460/380-420	60	260	87.6	87.6		R-22
6DH3R35ME-FSD	6DHNR35ME-FSD	460/380-420	60	260		87.6		404A
6DH3R35ME-FSD	6DHNR35ME-FSD	460/380-420	60	260	111	88.8		407C/A
6DG3R37ME-FSD	6DGNR37ME-FSD	460/380-420	60	315	92.4	92.4		R-22
6DG3R37ME-FSD	6DGNR37ME-FSD	460/380-420	60	315		92.4		404A
6DG3R37ME-FSD	6DGNR37ME-FSD	460/380-420	60	315	115	93.7		407C/A

Model		Voltage	Frequency	LRA 60 Hz.	MCC			Refrigerant
Current DII	New DIII				R1	R2	R4	
6DJ3R40ME-FSD	6DJNR40ME-FSD*	460/380-420	60	315	98	98		R-22
6DJ3R40ME-FSD	6DJNR40ME-FSD*	460/380-420	60	315	121	95		404A
6DJ3R40ME-FSD	6DJNR40ME-FSD*	460/380-420	60	315	112	94		407C/A
6DL3F93KE-FSD	6DHN93KE-FSD	460/380-420	60	218			48	R-22
6DL3F93KE-FSD	6DHN93KE-FSD	460/380-420	60	218			58.2	404A
6DL3F93KE-FSD	6DHN93KE-FSD	460/380-420	60	218			62.4	407C/A
6DT3F11ME-FSD	6DJNF11ME-FSD*	460/380-420	60	235			49.5	R-22
6DT3F11ME-FSD	6DJNF11ME-FSD*	460/380-420	60	235			60	404A
6DT3F11ME-FSD	6DJNF11ME-FSD*	460/380-420	60	235			66.3	407C/A
6DG3R37ME-FSU	6DGNR37ME-FSU	200	60	650	189	189		R-22
6DG3R37ME-FSU	6DGNR37ME-FSU	200	60	650		185		404A
6DG3R37ME-FSU	6DGNR37ME-FSU	200	60	650	242	188.9		407C/A
6DJ3R40ME-FSU	6DJNR40ME-FSU*	200	60	754	210	210		R-22
6DJ3R40ME-FSU	6DJNR40ME-FSU*	200	60	754		208		404A
6DJ3R40ME-FSU	6DJNR40ME-FSU*	200	60	754	262	213		407C/A
6DT3F11ME-ESX	6DJNF11ME-ESX	200-220/380	60	500/289**		167.2/96.33	132.4/74.32	R-22
6DT3F11ME-ESX	6DJNF11ME-ESX	200-220/380	60	500/289**		187.8/114.4	152.3/88.25	404A
6DT3F11ME-ESX	6DJNF11ME-ESX	200-220/380	60	500/289**			172.1	407C/A
6DH1R35M0-ES8	6DHR35M0-ES8	200-220/380	60	633/365	205.4/117.7	205.4/117.7		R-22

Only the MCC values shown below have been increased for existing Discus.

Model		Voltage	Frequency	LRA 60 Hz.	MCC			Refrigerant
Current DII	New DIII				R1	R2	R4	
4DJ3R28ME-TSK	4DJNR28ME-TSK*	208-230/460	60	470/235		73.8/147.6		404A
4DJ3R28ME-TSE	4DJNR28ME-TSE*	575/500	60	200		61.8		404A
4DJ3R28ME-FSD	4DJNR28ME-FSD*	460/380-420	60	235		67.6		404A
4DT3F76KE-TSE	4DJNF76KE-TSE*	575/500	60	135			34.2	R-22
4DT3F76KE-TSE	4DJNF76KE-TSE*	575/500	60	135			40.7	404A
4DT3F76KE-TSE	4DJNF76KE-TSE*	575/500	60	135			36.8	407C/A
6DG3R37ME-TSN	6DGNR37ME-TSN*	230/460	60	594/297		96.2/192.4		404A
6DJ3R40ME-TSN	6DJNR40ME-TSN*	230/460	60	594/297		100/200		404A

* - Tested models are representative of all models shown.

** - 50 & 60 Hz. UL Approval (Same LRA & MCC Value).

The results of all of the above testing will be used to assist UL Engineers and your customers when they submit their equipment to UL for evaluation. As a minimum, a UL paperwork submittal will be required to include any new model designations. Any change in system construction using the New Discus models will make it more likely additional testing may be needed on end-use equipment.

If you have any questions, please contact the writer.

Very truly yours,
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